



## DESCRIPTION

The Coolstream Tank enables you to enjoy High Definition Digital TV. The Coolstream Tank is unique and belongs among the best receivers, especially if it comes to picture quality and flexibility. This model is a high-end satellite receiver for a reasonable price. More quality, more pleasure and suitable for every market like MENA, European market. The receiver can be equipped with a maximum of 4 tuners. The receiver is standard equipped with two solid satellite tuners. It is possible to expand the reception possibilities by adding two more (optional) tuners. You can add two satellite (DVB-S2) or two cable (DVB-C) tuners. The Coolstream Tank has an incredible fast processor. The ARM Cortex-A9 1250DMIPS Processor belongs among the best processors in the world. The Coolstream Tank offers all the functions (timeshift, EPG, favorite lists, recording) the owner of a digital set-top-box requires.

## FEATURES

► Duo-HD Decoding for High Definition Digital TV

► High Speed and Powerful CPU (1250 DMIPS)

► Live media streaming

(connect with your PC/Ipad/Phone multi-media devices with receiver)

► Time-shifting

► 2.5"/3.5" HDD Supported

► Accelerated 2D/3D graphic processing

► 1080P 24, 25, 50, 60 Refresh Rate Full HD

► Embedded SD Card Reader (enlarge your storage capability)

► HDMI 1.3a

► Big OLED Display (256X64 dot matrix)

► Support up to 4 DVB-S2 Tuners

► Embedded SIM Card Reader

► Deep Standby - Less than 0.5 Watt power consumption



## TECHNICAL SPECIFICATIONS

### Output Connection

4 \* DVB-S2 Tuners (2\*DVB S2 tuners and 2\* DVB-C tuners are optional)

2 \* RCA Audio (R/L)

1 \* RCA Video

1 \* S/PDIF

1 \* Rs232 serial port

3 \* USB 2.0 for PVR and software update

1 \* CI Slot

1 \* HDMI 1.3a up to 2.25 GHz link speed, support 8,10 and 12 bits deep color

1 \* Giga bit Ethernet

1 \* SD Card reader

2 \* Smartcard-Reader

2 \* Sata (1 for E-sata, 1 for internal HDD. Support internal 2.5 or 3.5inch HDD)

1 \* Scart (RGB or YPbPr and CVBS and audio output)

1 \* AV6 (RGB or YPbPr output up to 1080P, CVBS)

Support DiSEqC 1.0/1.1/1.2 and USALS (Rotor Control)

1 \* Extern DC12V@5A power supply (power consume < 0.5Watt under deep standby)

### Main components

High Speed Processor - ARM Cortex-A9 1250DMIPS Processor

Memory: 512M Byte DDR2-1066

Flash 4M byte nor flash and 256M byte nand flash

Display: 256X64 dot matrix OLED Display

Tuners: Support up to 4 DVB-S2 tuner, or 2 DVB-S2 tuners and 2 DVB-C tuners

HDMI1.3a, Up to 2.25 GHz link speed, support 8, 10 and 12 bits deep color

### Power

Extern DC12V@5A power supply

(power consume is < 0.5V under deep standby)

### Accessories

Remote Control Unit

### Technical Specifications

#### Frontend Specification:

Frequency Range: 950....2150 MHz

Demodulation: DVB-S (QPSK); DVB-S2 (8PSK, QPSK);

Symbol rate range

- ▶ DVB-S: 1-45 Mbaud/s,
- ▶ DVB-S2 8PSK: 4.5 ~ 31 Mbaud/s
- ▶ DVB-S2 QPSK: 4.5 ~36 Mbaud/s
- ▶ 8PSK Turbo: 2~33Mbaud/s

Code rate support

- ▶ DVB-S2 8PSK: 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- ▶ DVB-S2 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- ▶ DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8

#### Video decoder:

Decodes HD programs in the following formats:

- ▶ MPEG-2 MP@HL, MP@ML, MP@LL, SP@ML
- ▶ MPEG4-AVC HP@ L4.2, HP@L4.1, HP@L4.2
- ▶ VC-1 AP@L3 and MP@HL
- ▶ MPEG4 ASP Part2/DivX/Xvid up to 1920x1080/60i resolution
- ▶ H.263, H.264 HP@L4.2
- ▶ MVC decode (2x 1080p 30)
- ▶ RealMedia RV8 & RV9
- ▶ On2 VP6, VP7 & VP8

Decodes a single video program up to 1080P60

Supports hardware decoding of JPEG still pictures

Supports 14:9, 16:9 and 20:9 image aspect ratios through pan/scan or letterboxing

POWERVR 3D GPU

## TECHNICAL SPECIFICATIONS

### Audio decoder:

Supports decoding of MPEG-1, MPEG-2, Dolby Digital, Dolby Digital Plus,

Dolby True HD, MPEG-2 AAC, MPEG-4 AAC, MP3, aacPlus, WMA and WMA

Pro encoded bitstreams

Supports sample rates of 16, 22.05, 24, 32, 44.1, 48, 96 and up to 192KHz

Stereo 24-bit audio DAC for analog audio output

### Front Panel:

Button 7 serial buttons and 1 power button

Display 256x64 dot matrix OLED Display

External PSU

Input: 110-240V AC / 50-60Hz / 0,6A

Output: DC12V / 5A

### Physical Specification:

Net Weight 2.9kgs

Dimensions 230x360x60mm

Operating Temperature 0~40 C°

Storage Temperature -10~ + 60C°





## DESCRIPTION

The Coolstream Trinity enables you to enjoy High Definition Digital TV. The Coolstream Trinity is the small brother of the Coolstream Tank. The Coolstream Trinity is unique and belongs among the best receivers, especially if it comes to picture quality and flexibility. This model is a high-end satellite receiver for a reasonable price. More quality, more pleasure and suitable for every market like MENA, European market. The receiver is a single tuner for the reception of satellite television. The Coolstream Trinity has an incredible fast processor. The ARM Cortex-A9 1250DMIPS Processor belongs among the best processors in the world. The Coolstream Trinity offers all the functions (timeshift, EPG, favorite lists, recording) the owner of a digital set-op-box requires.

## FEATURES

- ▶ Duo-HD Decoding for High Definition Digital TV
- ▶ High Speed and Powerful CPU (1250 DMIPS)
- ▶ Live media streaming (connect with your PC/Ipad/Phone multi-media devices with receiver)
- ▶ Time-shifting
- ▶ Accelerated 2D/3D graphic processing
- ▶ 1080p24, 25, 50, 60 Refresh Rate Full HD
- ▶ HDMI 1.3a
- ▶ Deep Standby - Less than 1 Watt power consumption
- ▶ Available in two colors (black / white)



## TECHNICAL SPECIFICATIONS

### Output Connection

- 1 \* DVB-S2 Tuner (DVB-C tuner is optional)
- 2 \* RCA Audio (R/L)
- 1 \* RCA Video
- 1 \* S/PDIF for digital audio output
- 1 \* Rs232 serial port
- 2 \* USB 2.0 for PVR and software update
- 1 \* HDMI 1.3a up to 2.25 GHz link speed, support 8,10 and 12 bits deep color
- 1 \* 10/100Mbit Ethernet
- 1 \* Smartcard-Reader
- 1 \* E-sata for external HDD.
- 1 \* Scart (RGB or YPbPr and CVBS and audio output)
- Support DiSEqC 1.0/1.1/1.2 and USALS (Rotor Control)
- 1 \* External DC12V@3A power supply (power consume < 0.5Watt under deep standby)
- 1 \* External IR

### Main components

- High Speed Processor - ARM Cortex-A9 1250DMIPS Processor
- Memory: 512M Byte DDR2-1066
- Flash 4M byte nor flash and 512M byte nand flash
- Display: BI-color LED indicator working and standby mode
- Tuner: Support 1 DVB-S2 tuner, or 1 DVB-C tuner.
- HDMI 1.3a, up to 2.25 GHz link speed, support 8, 10 and 12 bits deep color

### Power

- Extern DC12V@5A power supply (power consume is < 0.5V under deep standby)

### Accessories

- Remote Control Unit

### Technical Specifications

#### Frontend Specification:

- Frequency Range 950 .... 2150 MHz
- Demodulation: DVB-S (QPSK); DVB-S2 (8PSK,QPSK);
- Symbol rate range

- ▶ DVB-S: 1-45 Mbaud/s,
- ▶ DVB-S2 8PSK: 4.5 ~ 31 Mbaud/s
- ▶ DVB-S2 QPSK:4.5 ~36 Mbaud/s
- ▶ 8PSK Turbo:2~33 Mbaud/s

#### Code rate support

- ▶ DVB-S2 8PSK: 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- ▶ DVB-S2 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- ▶ DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8

#### Video decoder:

Decodes HD programs in the following formats:

- ▶ MPEG-2 MP@HL, MP@ML, MP@LL, SP@ML
- ▶ MPEG4-AVC HP@ L4.2, HP@L4.1, HP@L4.2
- ▶ VC-1 AP@L3 and MP@HL
- ▶ MPEG4 ASP Part2/DivX/Xvid up to 1920x1080/60i resolution
- ▶ H.263, H.264 HP@L4.2
- ▶ MVC decode (2x 1080p 30)
- ▶ RealMedia RV8 & RV9
- ▶ On2 VP6, VP7 & VP8

Decodes a single video program up to 1080P60

Supports hardware decoding of JPEG still pictures

Supports 14:9, 16:9 and 20:9 image aspect ratios through pan/scan or

letterboxing

POWERVR 3D GPU



## TECHNICAL SPECIFICATIONS

### Audio decoder:

Supports decoding of MPEG-1, MPEG-2, Dolby Digital, Dolby Digital Plus, Dolby

True HD, DTS, MPEG-2 AAC, MPEG-4 AAC, MP3, aacPlus, WMA and WMA Pro

encoded bitstreams

Supports sample rates of 16, 22.05, 24, 32, 44.1, 48, 96 and up to 192KHz

Stereo 24-bit audio DAC for analog audio output

External PSU

Input: 110-240V AC / 50-60Hz / 0,6A

Output: 12V = / 3,0A

### Physical Specification

Net Weight 1.0kg

Dimensions 180x240x30mm

Operating Temperature 0~40C°

Storage Temperature -10~ + 60C°

